

AMENDMENTS TO THE SPECIFICATION:

Please delete the Abstract and replace it with the following amended Abstract:

ABSTRACT OF THE DISCLOSURE

A process for the treatment of wooden elements, ~~said process comprising~~ includes the following steps: a) conditioning said the wooden elements to reduce their moisture content; and ab) performing ~~one of the following sequences of steps selected from the group consisting of~~ at least the sequence of steps b1) to b4) or at least the sequence of steps bb1) to bb2); ~~said sequence of step b1) to b4) at least comprising:~~ b1) impregnating the wooden elements obtained from step a) with at least one wood preservative, b2) heating the wooden elements obtained from step b1) at a temperature of at least 51~~°~~ °C ~~to fix said wood preservative(s) in said wooden elements,~~ b3) impregnating the wooden elements obtained from step b2) with a solution comprising polymerizable reactive groups, ~~identical or different, that can form a polymer under polymerizing condition,~~ and b4) subjecting the wooden elements obtained from step b3) to polymerizing condition ~~to polymerize said reactive group(s); said sequence of steps bb1) to bb2) at least comprising:~~ bb1) impregnating the wooden elements obtained from step a) with a mixture of at least one wood preservative and polymerizable reactive groups, ~~identical or different, that can form a polymer under polymerizing condition,~~ and ~~bb1~~bb2) heating the wooden elements obtained from step ~~bb2~~bb1) at a temperature of at least 51~~°~~ °C ~~to fix the wood preservative(s) and to polymerize said reactive groups. The treated wooden elements so obtained and their uses.~~